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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=9; day=17; hr=11; min=40; sec=27; ms=870; ]

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Reviewer Comments:

SEQUENCE LISTING

<110> STROPP Udo

<120> Haplotypes and Polymorphisms linked to human Thiopurine S-Methyltransferase Deficiencies

The above <120> response exceeds the Sequence Rules' 72-character line limit; please adjust the line.

<210> 16

<211> 31

<212> DNA

<213> Homo Sapiens

<220>

<221> variation

<222> (16)..(16)

<223>

<400> 16

aacagaattartcttgyetta atgatgaatt c 31

Please remove the above <223>, since no response is shown. This also appears in many sequences. Please divide the first group of nucleotides above into 10's, with a space between groups. The "e" shown at location 18 is not a valid nucleotide designator: please use "n" for all modified or unusual nucleotides, and explain it in the <220>-<223> section. Although the <211> response is 31, 32 nucleotides are shown.

<211> 21  
<212> DNA  
<213> Homo Sapiens

<400> 137  
agtaaaaata tcactctgct c 21

Please insert "<210> 137" above the <211> line.

<210> 168  
<211> 20  
<212> DNA  
<213> Homo Sapiens

<400> 168  
ttccccccacac tgaggaagga 20

Although the <211> response is "20," 21 nucleotides are shown above.  
The first group of nucleotides shows 11 bases.

FYI: please do not use TAB codes in the sequence listing. TAB's cause  
processing problems.

\*\*\*\*\*

Application No: 10585474 Version No: 1.0

Input Set:

Output Set:

**Started:** 2008-08-15 10:51:16.020  
**Finished:** 2008-08-15 10:51:32.307  
**Elapsed:** 0 hr(s) 0 min(s) 16 sec(s) 287 ms  
**Total Warnings:** 0  
**Total Errors:** 59  
**No. of SeqIDs Defined:** 232  
**Actual SeqID Count:** 231

| Error code | Error Description  |
|------------|--|
| E 287      | Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <141>           |
| E 287      | Invalid WIPO ST.2 date format; Use (YYYY-MM-DD)in <151>            |
| E 201      | Mandatory field data missing in <223> in SEQ ID (1)                |
| E 201      | Mandatory field data missing in <223> in SEQ ID (2)                |
| E 201      | Mandatory field data missing in <223> in SEQ ID (3)                |
| E 201      | Mandatory field data missing in <223> in SEQ ID (4)                |
| E 201      | Mandatory field data missing in <223> in SEQ ID (5)                |
| E 201      | Mandatory field data missing in <223> in SEQ ID (6)                |
| E 201      | Mandatory field data missing in <223> in SEQ ID (7)                |
| E 201      | Mandatory field data missing in <223> in SEQ ID (8)                |
| E 201      | Mandatory field data missing in <223> in SEQ ID (9)                |
| E 201      | Mandatory field data missing in <223> in SEQ ID (10)               |
| E 201      | Mandatory field data missing in <223> in SEQ ID (11)               |
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| E 201      | Mandatory field data missing in <223> in SEQ ID (13)               |
| E 201      | Mandatory field data missing in <223> in SEQ ID (14)               |
| E 201      | Mandatory field data missing in <223> in SEQ ID (15)               |
| E 201      | Mandatory field data missing in <223> in SEQ ID (16)               |
| E 259      | Found undefined lettercode; POS (18) SEQID(16)                     |
| E 254      | The total number of bases conflicts with running total, Input: 31, |

**Input Set:**

**Output Set:**

**Started:** 2008-08-15 10:51:16.020  
**Finished:** 2008-08-15 10:51:32.307  
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**Total Warnings:** 0  
**Total Errors:** 59  
**No. of SeqIDs Defined:** 232  
**Actual SeqID Count:** 231

| Error code | Error Description   |
|------------|---|
|            | SEQID(16)   |
| E 253      | The number of bases differs from <211> Input: 31 Calculated:32  |
| E 201      | Mandatory field data missing in <223> in SEQ ID (17)  |
| E 201      | Mandatory field data missing in <223> in SEQ ID (18)  |
| E 201      | Mandatory field data missing in <223> in SEQ ID (19)  |
| E 201      | Mandatory field data missing in <223> in SEQ ID (20)<br>This error has occurred more than 20 times, will not be displayed |
| E 212      | Invalid Sequence ID Number; Expected 137 as next SeqID but skipped  |
| E 254      | The total number of bases conflicts with running total, Input: 20,<br>Calculated : 21 SEQID(168)                          |
| E 253      | The number of bases differs from <211> Input: 20 Calculated:21  |
| E 252      | Calc# of Seq. differs from actual; 232 seqIds defined; count=231  |

SEQUENCE LISTING

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<120> Haplotypes and Polymorphisms linked to human Thiopurine S-Methyltransferase Deficiencies

<130> 2004P56002WOUS

<140> 10585474

<141> 2008-08-15

<150> PCT/EP05/00064

<151> 2005-01-2005

<160> 232

<170> PatentIn version 3.1

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<213> Homo Sapiens

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<223>

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<211> 31

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<213> Homo Sapiens

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<222> (16)..(16)

<223>

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cgtgcccgagc cttatsttag tattttatat a 31

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gtctagccag gctccrtaga aactggagtg c 31

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gggaaagaag tttcaktatc tcctgtgtgt t 31

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ctctttcttg tttcargtaa aatatgcaat a 31

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<220>

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<223>

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<220>

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<223>

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<220>  
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<223>

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<212> DNA

<213> Homo Sapiens

<400> 51

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<210> 52

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<212> DNA

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